

# WTG-QUANTOR GMBH

WTG-Quantor brands



Tube-in-Tube Cooling Unit / Heat-Pump  
**SR**



# SR

The **SR** are mobile direct-cooling and heating units, consisting of a cooling aggregate in the upper part and a tubular heat exchanger in the lower part. Heating is performed in the Heat-Pump operation mode. The **SR** is designed to treat any substance from destalked-grapes to wine, sparkling wine, water, cider, fruit juice and distillates.

The casing of the unit as well as all parts that come in contact with the treated medium are made of stainless steel. The ventilation grills are lacquered in black. Due to its four wheels, this **SR** unit is easy to manoeuvre. This allows the user to cool or to heat even single tanks or other containers, as required, without the expenditure in an installation. For example: starting a stopped fermentation by heating the tank content. An external cellar-pump for the medium is controlled by the **SR**'s control panel.

The cooling units of the **SR** series are available in seven different sizes / capacities, from 12 to 85 kW. They are ideal for small and medium wineries which require the option to heat their wine as well as to cool it and who want to benefit from great flexibility in use. Due to its direct treatment of the medium, the **SR** offers the most efficient way for cooling or heating.

## APPLICATIONS

- Direct cooling or heating of must for preclearing or at the beginning of fermentation
- Tartaric stabilisation of wines
- Warming up wine from storage to bottling temperature
- Biological reduction of acids
- Regulation of fermentation temperature
- Cool storage of wine until bottling
- Applications in the sparkling-wine industry
- Cooling of liquids with particles such as unfiltered juice
- Air cooling of the cellar in combination with additional equipment (thermo-fans and accessories)

## WATER TEMPERATURE RANGE

from -5°C to +45°C (from 23°F to 113°F)

## AMBIENT TEMPERATURE RANGE

from +5°C to +32°C (from 41°F to 89,6°F)

## SUITABLE FOR INDUSTRIES



## CHARACTERISTICS

- Frigorific circuit with hermetic compressor (Scroll) and high efficiency counter flow evaporator made of stainless steel
- Heating with Heat-Pump technology
- Minimum installation effort
- Stainless steel chassis with wheels
- All parts that come in contact with the treated medium are made of stainless steel
- Temperature control by electronic thermostat with digital display
- Anti-freeze safety device for evaporator
- Control of an external cellar-pump for the medium by the **SR**'s control panel
- Environmentally friendly refrigerant R407C
- Protection type of the chiller is minimum IP54.

		SR 4	SR 6	SR 9	SR 11	SR 13	SR 17	SR 32	
TECHNICAL DATA	Cooling capacity * - from 30°C to 25°C - from 15°C to 0°C	kW kW	12,8 7,0	23,0 11,8	29,0 15,4	34,0 18,5	41,0 22,1	49,5 26,3	85,0 44,2
	Heating capacity	kW	13,0	23,0	29,0	34,0	41,0	50,0	85,0
	Electrical supply		400V / 3Ph / 50Hz (other options by inquiry)						
	Max. absorbed power Max. current consumption	kW A	4,9 8,3	7,1 12,3	8,8 15,6	9,9 17,3	13,2 22,7	15,6 26,9	31,0 54,1
	Number of fans		1	1	1	1	2	2	4
	Recommended pump flow	hl/h	40-60	60-80	70-90	80-100	100-120	110-140	160-200
	Connections	Ø	Mâcon 40	Mâcon 40	Mâcon 40	Mâcon 40	Mâcon 50	Mâcon 50	Mâcon 70
	Dimensions: L W H	mm mm mm	1.050 1.050 1.490	1.050 1.050 1.490	1.050 1.050 1.750	1.050 1.050 1.750	1.050 1.050 2.150	1.050 1.050 2.150	2.050 1.050 2.150
	Weight	kg	255	320	350	360	440	450	900

\* Cooling capacities at an ambient temperature of +20°C.

Technical specifications are subject to change without prior notice.